## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	20	428/408,336,446,698,469,472 cds AND (diamond'ilike NEAR1 carbon) AND (nanocomposite)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/10 13:53
L2	14	428/408,336,446,689,469,472,cds. AND (diamond/file NEARH carbon) AND (nanocomposite) AND (titanium OR chromium OR (titanium NEARI (cabide OR nitride)) Off (chromium NEARI (nitride OR carbide) OR TIN OR TION OR ON OR "Cr.sub.3C.sub.2" OR TIO)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/10 13:54
L3	14	4281 408, 336, 446, 698, 469, 472 cols. AND (diamond'ilke NEAR1 carbon) AND (nanocomposite OR nano'composite) AND (titanium OR chromium OR (titanium NEAR1 (carbide OR nitride) OR (chromium NEAR1 (nitride OR carbide) OR T	US-PGPUB; USPAT; USPOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/10 14:07
L4	14	428/408,336,446,698,469,472.cols. AND ((diamond'like NEARI carbon) OR DAND (nancomposite OR nano'composite OR DLN) AND (titanium OR chromium OR (titanium NEARI (carbide OR nitride)) OR (chromium NEARI (nitride) OR Carbide) OR TIN OR TICN OR ON OR "O. sub.3C.sub.2" OR TiC)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/10
S1	7090	423/446.cds. OR 427/402.cds. OR 428/552.688,699.cds.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/22 08:47
S2	6	"5795648".PN. OR "5466431".PN. OR "6200675".PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/22 08:50
S3	1240	St AND (layer WITH (titanium OR chromium))	US-PGPUB; USPAT; USOCR, FPRS, EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/22 08:52

S4	12	SI AND (layer WITH (titanium OR chromium)) SAME (diamond\$1like ADJ1 carbon)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/22 08:52
S5	16	((VENKATRAMAN ADJI CHANDRA) OR (MAJERONI ADJI KEITH) OR (KESTER ADJI DANIEL)).INV.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/22 08:56
S6	2	((VENKATRAMAN ADJI CHANDRA) AND (MALERONI ADJI KEITH) AND (KESTER ADJI DANIEL)).INV.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/22 08:56
S7	1	((VENKATRAMAN ADJI CHANDRA) OR (MAJERONI ADJI KETH) OR (KESTER ADJI DANIEL)).INV. AND S1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/22 08:56
S8	7150	423/446 cols. OR 427/402 cols. OR 428/552,688,699.cols.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 08:40
S9	3	S8 AND (layered NEAR2 structure) SAME (layer WITH ((TI AND 02) OR (Titanium AND Ohromium)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 08:40
S10	486	S8 AND ((layer OR core OR center) WITH ((TI AND C) OR (Titanium AND Chromium)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 08:40
S11	1	SS AND ((layer OR core OR center) WITH ((IT AND C) OR (Titanium AND (hromium)) AND (layer NEAR2 DLN) AND (layer NEAR2 DLC)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 08:41
S12	6	S8 AND ((layer OR core OR center) WITH ((TI AND C) OR (Titanium AND Chromium)) AND (layer NEAR2 diamond \$like) AND (layer NEAR2 DLC)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 08:41

S13	168	((layer OR core OR center) WITH ((Ti AND C) OR (Titanium AND Chromium))) AND (layer NEAR2 diamond\$like) AND (layer NEAR2 DLC)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OS	2009/04/16 08:44
S14	3	(((layer OR core OR center) WITH ((Ti AND Q) OR (Titanium AND Chromium)) AND ((layer NEAF2 diamonds)ke NEAF2 nanocomposite) AND (layer NEAF2 DLC)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 08:48
S15	5	[(layer OR core OR center) WITH (ITI AND C) OR (Titanium AND Chromium) OR TiC OR "Itlanium carbide" OR TiN OR "Itlanium nitride" O'R Itianium OR chromium OR TICNN OR OR OR OR O'C's out 3C, sub 2")) AND (layer NEAP2 diamondSlike NEAP2 nanocomposite) AND (layer NEAP2 DLC)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 08:50
S16	86	[(layer OR core OR center) WITH (ITI AND C) OR (Titanium AND Chromium) OR TIC OR "Itlanium carbide" OR TIN OR "Itlanium ITIM OR TIN OR "Titanium ITIM OR	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 08:53
S17	2	S8 AND ((layer OR core OR center) WiTH ((TT AND G) OR (Titanium AND Chromium) OR TIC OR "Ittanium carbide" OR TIN OR "Ittanium nitratio" OR TIN OR "Ittanium nitratio" OR Ittanium OR chromium OR Chromium OR Chromium OR Chromium OR Chromium OR TICNN OR ON OR ON OR OS OR O	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 08:53
S18	86	((layer OR core OR center) WITH (IT, AND Q) OR (Titanium AND Chromium) OR TIC OR 'titanium arabide' OR Tito NG 'titanium nitride' O'R titanium OR chromium OR TICNN OR ON OR O'32C OR 'O''. Sub 3.C. sub 2")) AND ((layer OR shell OR cover OR covering) NEAF2 diamond'slike NEAF2 (material OR nanocomposite)) AND ((layer OR shell OR cover OR covering) NEAF2 (DLC OR (diamond'slike NEAF2 carbon)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/29 10:26

S19	1	[("423" clas. OR "502" clas. OR "252" clas.) AND ((layer OR core OR center) WITH (ITAND CY) OR (Titanium AND CY) ORTHON OR TIC OR "titanium carbide" OR TIN OR "titanium ritide" OR Itanium OR chromium OR TICNN OR ON OR 03(20 OR "O'S ub) 35( sub. 2") AND (layer OR Sell) OR cover OR covering) NEAP2 diamond Silke NEAP2 (material OR nanocomposite)) AND ((layer OR shell OR cover OR covering) NEAP2 (DLC OR (diamond\$like NEAP2 carbon)))	US-PGPUB; USPAT; USOCR: FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/29
S20	2	"5952493".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/29 10:57
S21	5	((Ilayer OR core OR center) WITH ((TI AND C) OR (Titanium AND Chromium) OR TIC OR 'titanium carbide' OR TIN OR 'titanium nitride' OR titanium OR chromium OR TICN OR ON OR C932 OR 'C; sub. 3C sub. 2")) AND (layer NEAR2 diamondSibs NEAR2 nanocomposite) AND (layer NEAR2 DLC)	US-PGPUB; USPAT; USOCR; FPRS, EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/29 11:09
S22	5	((I) yer OR core OR enter OR middle) WiTH ((TI AND C) OR (Titanium AND Onomium) OR TIC OR 'Itianium carbide' OR TIN OR 'Itianium nitride' OR Itianium OR chromium OR TICN OR ON OR C3C2 OR 'C' .sub.3C sub.2')) AND ((Ievel OR Iayer) NEAR diamondistike NEAR2 nancomposite) AND ((Ievel OR layer) NEAR2 DLO;	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/08 09:17
S23	7	("0121990"   "20040074467"   "20040206600"   "4666786"   "5249554"   "5909879").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/08 09:18
S24	64	((((Ti AND Cr) OR (Titanium AND Chromium) OR Tic OR "titanium carbide" OR Tit Not "titanium midde" OR titanium OR chromium OR TiCN OR CrN OR Cr3C2 OR "Cr. sub.3C sub.2") AND (diamond\$like NEAP2 nancomposite) AND (DLC OR (diamond?like NEAR1 carbon)))	US-PGPUB; USPAT; USOCR; FPRS, EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/08 09:19
S25	0	\$24 AND \$23	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/08 09:19
526	8	((layer OR core OR center OR middle) WITH ((IT AND Q) OR (Tittanium AND Chromium) OR TIC OR "tittanium carbide" OR TIN OR "tittanium nitride" OR tittanium OR chromium OR TICN OR OR ON OR C3C2 OR "C". sub. 3C. sub. 2")) AND ((level OR layer) NEAP2 diamond/Silke NEAP2 nancomposite) AND ((level OR layer) NEAP2 (DLC OR (diamond/like NEAR1 carbon)))	US-PGPUB; USPAT; USOCR: FPPRS; EFPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/08 09:19

S27	7259	423/446 cels. OR 427/402 cels. OR 428/552,688,699 cels.	US-PGPUB; USPAT; USOCR; FPRS, EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/08 09:20
S28	5	OR TIN OR "titanium nitride" OR titanium OR chromium OR TICN OR CN OR C3C2	US-PGPUB; USPAT; USOCR; FPRS, EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/08 09:20
S29	21	[(layer OR core OR center OR middle) WITH ((IT AND Q) OR (Ittanium AND Ornomium) OR TIC OR 'Ittanium carbide' OR TIN OR 'Ittanium nitride' OR Ittanium OR chromium OR TICN OR ON OR O3C2 OR 'O's sub 3C sub 2") AND ((level OR layer OR coat OR Coating) NEAP2 diamond Slike NEAP2 nanocomposite) AND ((coat OR coating OR level OR layer) NEAP2 (DLC OR (diamond/like NEAP1 carbon))	US-PGPUB; USPAT; USOCR; FPRS, EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/08 09:22
S30	21	[(layer OR core OR center OR middle) WITH (ITI AND Q) OR (Ittanium AND Ornomium) OR TIC OR 'Ittanium carbide' OR TIN OR 'Ittanium nitride' OR Ittanium OR chromium OR TICN OR ON OR C3C2 OR 'C's sub 3C sub 2")) AND ((level OR layer OR coat OR Caating) NEARE diamond? like NEARE nanocomposite) AND ((coat OR coating) OR level OR layer) NEARE (DLC OR (diamond?like NEARI carbon)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/08 09:24

<sup>9/10/2009 2:44:08</sup> PM

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